

WHAT IS CLAIMED IS:

1. A window shade for a vehicle comprising:

a housing;

a first attachment member located on said housing for attaching said housing to a

5 window;

a shade element attached to an interior of said housing and enabled to be moved from a retracted first position inside, wherein said shade element is at least partially within said housing to an extended second position wherein said shade element is at least partially outside of said housing;

10 a handle member attached to said shade element;

a second attachment member located on said handle for attaching said handle to said window; and

a temperature sensor positioned to be thermally insulated from said window.

15 2. A window shade for a vehicle according to claim 1, wherein said temperature sensor is made of a thermochromic material.

3. A window shade for a vehicle according to claim 1, wherein said temperature sensor is thermally insulated from said window by at least one millimeter of good insulation material.

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4. A window shade for a vehicle according to claim 1, wherein said temperature sensor is located on said handle.

5. A window shade for a vehicle according to claim 1, wherein said temperature sensor is

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recessed within said handle.

6. A window shade for a vehicle according to claim 1, wherein said second attachment member is located on an opposite side of said handle from said temperature sensor.

7. A window shade for a vehicle according to claim 1, wherein said shade element has a metal bar located proximate to said handle to provide a heat sink in order to thermally insulate said temperature sensor.

5 8. A window shade for a vehicle according to claim 1, wherein said second attachment member comprises a suction cup.

9. A window shade for a vehicle according to claim 1, wherein said temperature sensor is located on said shade element or said housing.

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10. A window shade for a vehicle according to claim 9, wherein said temperature sensor is located on an opposite side of said shade element or said housing then said second attachment member.

15 11. A window shade for a vehicle according to claim 1, wherein said temperature sensor has a temperature display.

12. A window shade for a vehicle according to claim 1, further comprising an alerting device that reacts when a predetermined temperature is exceeded.

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13. A window shade comprising:

housing means for housing a shade element;

a first attachment means located on said housing for attaching said housing means to a window;

25 retracting means for retracting a shade element attached to an interior of said housing;

extending means for extending a shade element to an exterior of said housing;

a second attachment means located on a handle for attaching said handle to said window;

and

a temperature sensing means positioned to be thermally insulated from said window for

30 sensing the temperature.

14. A window shade according to claim 13, wherein said temperature sensing means uses a thermochromic material.

5 15. A window shade according to claim 13, wherein said temperature sensing means is thermally insulated from said window by at least one millimeter of good thermal insulation material.

10 16. A window shade according to claim 13, wherein said temperature sensing means is located on said handle.

17. A window shade according to claim 16, wherein said temperature sensing means is recessed within said handle.

15 18. A window shade according to claim 16, wherein said second attachment means is located on an opposite side of said handle from said temperature sensing means.

19. A window shade according to claim 13, wherein said shade element has a metal bar located proximate to said handle to further thermally insulate said temperature sensor.

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20. A window shade according to claim 13, wherein said second attachment means is a suction cup.

25 21. A window shade according to claim 13, wherein said temperature sensing means is located on said shade element or said housing.

22. A window shade according to claim 21, wherein said temperature sensor is located on an opposite side of said shade element or said housing then said second attachment member.

23. A window shade according to claim 13, wherein said temperature sensing means further comprises displaying means for displaying a temperature measurement.

24. A window shade according to claim 13, further comprising an alerting means for sounding an alarm when a predetermined temperature is exceeded.

25. A window shade according to claim 13, further comprising an alerting means for visually supplying a notification when a predetermined temperature is exceeded.

26. A window shade for a vehicle, comprising:
a shade member;
mounting means for mounting said shade member to a vehicle window; and
a temperature sensor, said temperature sensor being mounted so as to be thermally insulated from said vehicle window.

27. A window shade according to claim 26, wherein said temperature sensor is mounted so as to have at least 1 millimeter of good insulating material between said temperature sensor and said vehicle window.

28. A window shade according to claim 27, wherein said good insulating material comprises a plastic material.

29. A window shade for a vehicle according to claim 26, wherein said temperature sensor is made of a thermochromic material.

30. A window shade for a vehicle according to claim 26, further comprising a handle.

31. A window shade for a vehicle according to claim 30, wherein said temperature sensor is located on said handle.

32. A window shade for a vehicle according to claim 30, wherein said temperature sensor is recessed within said handle.

33. A window shade for a vehicle according to claim 30, further comprising a metal bar located proximate to said handle to provide a heat sink in order to thermally insulate said temperature sensor.

34. A window shade for a vehicle according to claim 26, wherein said temperature sensor is located on said shade member.

35. A window shade for a vehicle according to claim 26, wherein said temperature sensor has a temperature display.

36. A window shade for a vehicle according to claim 26, further comprising an alerting device that reacts when a predetermined temperature is exceeded.